

In the Claims:

Please amend the claims as follows:

1-14 (cancelled)

15. (currently amended) The control system according to claim ~~12~~ 23, wherein ~~said~~
~~drive module comprises a~~ each drive unit ~~that includes~~ comprises one or more drives.

16-22 (cancelled)

23. (new) A control system for controlling the movements of at least two manipulators,
the control system comprising:

a main computer module configured to execute programs with instructions for
movements of the at least two manipulators, to plan movement paths of the at least two
manipulators, and to generate orders for the at least two manipulators based on the movement
paths, the main computer module comprising a casing surrounding the main computer module,
the main computer module further comprising a power supply configured to supply power to the
main computer module; and

at least two physically separate drive modules each comprising

a drive unit that controls motors driving the movements of the at least two
manipulators,

a casing surrounding the drive module,

a power supply configured to supply power to the drive module and control movements of the at least two manipulators, and
an axis computer configured to provide control signals to the drive unit based on the orders from the main computer module,
wherein the main computer module is adapted to communicate with the drive modules.

24. (new) The control system according to claim 23, wherein the main computer module is adapted to communicate with the drive modules via an Ethernet link.

25. (new) The control system according to claim 23, wherein each drive module is adapted to control one manipulator.

26. (new) The control system according to claim 23, further comprising:
a transformer module comprising a transformer, a casing surrounding the transformer module and a power supply.

27. (new) The control system according to claim 23, further comprising:
a control module comprising a control panel of the control system, a casing surrounding the control module, and a power supply.

28. (new) A method for controlling at least two manipulators with a control system, the method comprising:
planning with a main computer module movement paths of at least two manipulators;

generating with the main computer module orders for the at least two manipulators based on the movement paths;

transmitting with the main computer module the orders for the at least two manipulators to at least two physically separate drive modules;

providing with axis computers included in the at least two physically separate drive modules control signals to the drive unit based on the orders received from the main computer module; and

driving with drive units included in the at least two physically separate drive modules motors driving the movements of the at least two manipulators.